

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail**

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

000110 7590 10/26/2004

DANN, DORFMAN, HERRELL & SKILLMAN

1601 MARKET STREET

SUITE 2400

PHILADELPHIA, PA 19103-2307

01/19/2005 HGBREH2 00000096 09853427

01 FC:2501

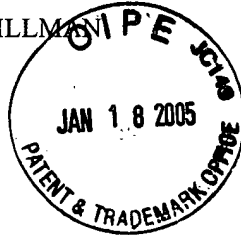
02 FC:1504

03 FC:8001

300.00 OP

300.00 OP

30.00 OP



Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Jane C. Bogan

(Depositor's name)

(Signature)

January 13, 2005

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/853,427	05/10/2001	James Mullin	MUL01-NP001	6770

TITLE OF INVENTION: EARLY DIAGNOSIS OF CANCEROUS AND PRECANCEROUS CONDITIONS BY LEAKAGE OF SIGNATURE PEPTIDES AND CARBOHYDRATES INTO THE BLOODSTREAM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO YES	\$1370 700.00	\$300	\$1670 1,000.00	01/26/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
UNGAR, SUSAN NMN	1642	435-007230

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☒ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 DANN, DORFMAN, HERRELL

2 AND SKILLMAN

3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Lankenau Institute for
 Medical Research

Wynnewood, Pennsylvania

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
☒ Publication Fee (No small entity discount permitted)
☒ Advance Order - # of Copies 10

4b. Payment of Fee(s):

- ☒ A check in the amount of the fee(s) is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 04-1408 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Date

January 13, 2005

Typed or printed name

Kathleen D. Rigant, Ph.D., J.D.

Registration No.

43,047

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

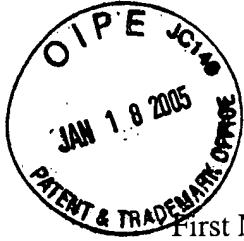
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DANN, DORFMAN, HERRELL AND SKILLMAN

A PROFESSIONAL CORPORATION

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PHONE (215) 563-4100 • FAX (215) 563-4044

January 13, 2005



First Named Inventor:
James Mullin

MAIL STOP ISSUE FEE

Application No. 09/853,427

Allowed: October 26, 2004

Attorney Docket No. 3882-P03055US1

Filed: May 10, 2001

For: EARLY DIAGNOSIS OF
CANCEROUS AND
PRECANCEROUS CONDITIONS BY
LEAKAGE OF SIGNATURE
PEPTIDES AND CARBOHYDRATES
INTO THE BLOODSTREAM


TO THE COMMISSIONER FOR PATENTS:

SUBMISSION OF ISSUE FEE

The above-identified application has been allowed. In response to the Notice of Allowability dated October 26, 2004, enclosed are the following:

1. A copy of form PTOL-85B with authorization to charge Deposit
Account No. 04-1406.
2. Check in the amount of \$1030.00, which includes the issue fee, the
publication fee and the cost of ten (10) advance copies.

Respectfully submitted,
DANN, DORFMAN, HERRELL AND SKILLMAN
A Professional Corporation
Attorneys for Applicants

By 
Kathleen D. Rigaut, Ph.D., J.D.
PTO Registration No. 43, 047

Customer No. 000110
Telephone: 215-563-4100
Facsimile: 215-563-4044
Email: KRigaut@ddhs.com



FEE TRANSMITTAL

Complete if known

Application Number: 09/853,427

Filing Date: May 10, 2001

First Named Inventor: James Mullin

Group Art Unit: 1642

Examiner Name: Susan Ungar

Total Amt. of Payment: (1)+(2)+(3)= \$1,030

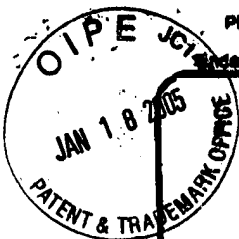
Attorney Docket Number: 3882-P03055US1

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																											
<p>1. The Commissioner is hereby authorized to:</p> <p><input type="checkbox"/> Charge indicated fees</p> <p><input checked="" type="checkbox"/> Charge additional fees</p> <p><input checked="" type="checkbox"/> Credit overpayments</p> <p>to the account of DANN, DORFMAN, HERRELL & SKILLMAN</p> <p>Deposit Account Number <u>04-1406</u></p> <p>2. Payment enclosed:</p> <p>Check in the amount of <u>\$1,030</u></p>		<p>ADDITIONAL FEES</p> <table><thead><tr><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>Surcharge-late filing fee or oath</td><td></td></tr><tr><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr><tr><td>Extension for response within first month</td><td></td></tr><tr><td>Extension for response within second month</td><td></td></tr><tr><td>Extension for response within third month</td><td></td></tr><tr><td>Extension for response within fourth month</td><td></td></tr><tr><td>Notice of Appeal</td><td></td></tr><tr><td>Filing a brief in support of an appeal</td><td></td></tr><tr><td>Request for oral hearing</td><td></td></tr><tr><td>Petition to revive unavoidably abandoned application</td><td></td></tr><tr><td>Petition to revive unintentionally abandoned application</td><td></td></tr><tr><td>Issue fee</td><td>700.00</td></tr><tr><td>Petitions to the Commissioner</td><td></td></tr><tr><td>Petitions related to provisional applications</td><td></td></tr><tr><td>Submission of Information Disclosure Stmt.</td><td></td></tr><tr><td>Recording each patent assignment per property</td><td></td></tr><tr><td>Other fee (specify) <u>Advance Order (10 copies)</u></td><td>30</td></tr><tr><td>Other fee (specify) <u>Publication Fee</u></td><td>300</td></tr><tr><td><u>Publication Fee</u></td><td></td></tr><tr><td colspan="2">SUBTOTAL (3) \$1,030</td></tr></tbody></table>		Fee Description	Fee Paid	Surcharge-late filing fee or oath		Surcharge - late provisional filing fee or cover sheet		Extension for response within first month		Extension for response within second month		Extension for response within third month		Extension for response within fourth month		Notice of Appeal		Filing a brief in support of an appeal		Request for oral hearing		Petition to revive unavoidably abandoned application		Petition to revive unintentionally abandoned application		Issue fee	700.00	Petitions to the Commissioner		Petitions related to provisional applications		Submission of Information Disclosure Stmt.		Recording each patent assignment per property		Other fee (specify) <u>Advance Order (10 copies)</u>	30	Other fee (specify) <u>Publication Fee</u>	300	<u>Publication Fee</u>		SUBTOTAL (3) \$1,030	
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<p>2. Claims</p> <table><thead><tr><th></th><th>Paid</th><th>Extra</th><th>Fee</th></tr></thead><tbody><tr><td>Total Claims</td><td></td><td></td><td>= 0</td></tr><tr><td>Independent Claims</td><td></td><td>x</td><td>= 0</td></tr><tr><td>Multiple Dependent (First presentation)</td><td></td><td></td><td></td></tr><tr><td colspan="4">SUBTOTAL (2) \$0</td></tr></tbody></table>					Paid	Extra	Fee	Total Claims			= 0	Independent Claims		x	= 0	Multiple Dependent (First presentation)				SUBTOTAL (2) \$0																									
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SUBTOTAL (2) \$0																																													

Submitted By:
Typed or

Printed Name Kathleen D. Rigaut, Ph.D., J.D. Reg. Number 43,047

Signature Kathleen D. Rigaut Date January 13, 2005 Deposit Account User ID 04-1406



Please type a plus sign (+) inside this box → 1-3

PTO/SB/05 (11-00)

Appr. for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. **MUL01-NP001**First Inventor **MULLIN, James**Title **Early Initiation of Osteoblasts by Leverage of Salvage Amylose, Peptide, and tetraol Peptide into the Bloodstream**Express Mail Label No. **EJ464028055US****APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **27**]
(Preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets ☐]
5. Oath or Declaration [Total Pages ☐]
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
- c. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☐ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. _____

Prior application information:

Examiner _____

Group Art Unit _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Label: _____or ☐ Correspondence address below

Name: _____

Address: _____

City: _____

State: _____

Zip Code: _____

Country: _____

Telephone: _____

Fax: _____

Name (Print/Type)

Clifford Kent Weber

Registration No. (Attorney/Agent) 42,215

Signature

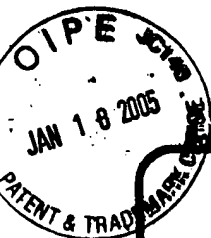
Clifford Kent Weber, Esq.

Date

May 10, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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PTO/SB/17 (11-00)

Approved for use through 10/31/2002. OMB 0851-0032
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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$) 335.00

Complete if Known

Application Number

Filing Date

May 10, 2001

First Named Inventor

MULLIN, James

Examiner Name

Group Art Unit

Attorney Docket No.

MUL01-NP001

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number

50-0491

Deposit Account Name

Thomas Jefferson University

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

- ☒ Applicant claims small entity status. See 37 CFR 1.37

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Fee Fee Fee Fee Description

Code (\$) Code (\$) Code (\$) Code (\$) Code (\$)

101 710 201 355 Utility filing fee

106 320 206 160 Design filing fee

107 480 207 245 Plant filing fee

108 710 208 355 Release filing fee

114 150 214 75 Provisional filing fee

Fee Paid

\$335.00

SUBTOTAL (1) (\$) 335.00

2. EXTRA CLAIM FEES

Total Claims - 20 = x \$9.00 = \$0.00
Independent Claims - 3 = x \$40.00 = \$0.00
Multiple Dependent x = \$0.00

Large Entity Small Entity

Fee Fee Fee Fee Fee Description

Code (\$) Code (\$) Code (\$) Code (\$) Code (\$)

103 15 203 9 Claims in excess of 20

102 50 202 40 Independent claims in excess of 3

104 270 204 135 Multiple dependent claim, if not paid

109 50 209 40 ** Release independent claims over original patent

110 15 210 9 ** Release claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$) 0.00

**or number previously paid, if greater; For Releases, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee Code	Fee Description	Fee Paid
106	130	206	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	139	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	690	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or relative)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
125	180	125	180	Submission of Information Disclosure Sheet	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
188	900	188	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0.00

SUBMITTED BY

Name (Print/Type) Clifford Kent Weber

Registration No. 42,215

Complete if applicable

Telephone (215) 503-0757

Signature

Clifford Kent Weber

Date

May 10, 2001

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